PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL

PTO/SB/21 (09-04) 106. OMB 0651-0031 NT OF COMMERCE

10/087,437

March 2, 2002

FUR	IAI		First Named Invent	or	Kimmo La	iho	
	<b>9</b>		Art Unit		2684		
(to be used for all correspond	dence after init	ial filing)	Examiner Name		Alan T. Ga	antt	$\Box$
Total Number of Pages in This			Attorney Docket Nu	ımber	004770.00	0033	フ
		ENCLO	SURES (check all that	t apply)	<u> </u>		
Fee Transmittal Form	[	Drawing(s	s)		After Alle	owance Communication to To	;
Fee Attached		Licensing	-related Papers			Communication to Board als and Interferences	ŀ
Amendment / Reply		Petition				Communication to TC Notice, Brief, Reply Brief)	
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Firm	E	Banner &	Witcoff, LTD.				
Signature		Con !					
Printed Name	F	Ross A. Da	annenberg				
Date	N	March 28,	2005	Reg. No.	49,024		
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	age as first	class mail i	n an envelope address			with the United States Posfor Patents, P.O. Box 145	
Signature	<del></del>			_			
Typed or printed name				-	Date		

**Application Number** 

Filing Date

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Effective on 12/0/ Fees pursuant to the Consolidated Appro	3/2004. priations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANS		Application Number	10/087,437	
		Filing Date	March 2, 2002	
for FY	2005	First Named Inventor	Kimmo Laiho	
Applicant claims small entity s	tatus. See 37 CFR 1.27	Examiner Name	Alan T. Gantt	
TOTAL AMOUNT OF DAYMENT	(¢) 190	Art Unit	2684	
TOTAL AMOUNT OF PAYMENT	(\$) 180	Attorney Docket No.	004770.00033	
METHOD OF PAYMENT (check	all that apply)			

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FEE CALCULATION							
1. BASIC FILING, SEAI				TEE0	EV ARINI	. TION EEEO	
	FILING F	EES Small E <u>ntity</u>	SEARCH	Small Entity		ATION FEES Small Entity	٠
Application Type	Fee (\$)	Fee(\$)	Fee(\$)	Fee(\$)	Fee(\$)	Fee(\$)	Fees Paid (\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	<del></del>
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	<del></del>
Provisional	200	100	0 .	0	0	0	
2. EXCESS CLAIM FEE	ES						Small Entity
Fee Description	ladia Daia					<u>Fee (\$)</u> 50	<u>Fee (\$)</u> 25
Each claim over 20 (incl Each independent claim	over 30 (in	sues) cluding Reissues)				200	100
Multiple dependent clair		ordanig recissaes)				360	180
Total Claims	Extra C	laims Fee(\$)	<u>Fee</u>	Paid (\$)		<u>Multiple</u>	Dependent Claims
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3. APPLICATION SIZE  If the specification and dr		and 100 sheets of pa	ner (evoludin	a electronically fil	led sequence	or computer	
listings under 37	CFR 1.52(e	e)), the application size	ze fee due is	\$250 (\$125 for sm	iall entity) for	r each additiona	1 50
	thereof. Se	e 35 U.S.C. 41(a)(1)	(G) and 37 C	FR 1.16(s).			
Total Sheets				itional 50 or fra		of Fee (\$)	Fee Paid (\$)
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4. OTHER FEE(S)							Fees Paid (\$)
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Other (e.g., late f	iling surcha	rge) : Information Dis	closure Fee ur	nder 37 C.F.R. 1.17			180

SUBMITTED BY		
Signature	Registration No. (Atterney/Agent) 49,024	Telephone (202) 824-3000
Name (Print/Type)	Ross A. Dannenberg	Date March 28, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

### PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kimmo Laiho et al.

Serial No.:

10/087,437

Filed:

March 2, 2002

For:

Method System And For

**Broadband Digital Broadcasting** 

Group Art Unit:

2684

Examiner:

Alan T. Gantt

Atty. Dkt. No. 004770.00033

## INFORMATION DISCLOSURE STATEMENT

Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314

Sir:

In accordance with 37 C.F.R. § 1.56 and 1.97, Applicant(s) provides the following for consideration by the Office during examination of the above-captioned application. This submission is not intended as an admission that any submitted document or reference constitutes prior art against the claims of the present application. Applicant(s) do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicant(s) hereby make the following statements, if checked:

X Enclosed is a PTO Form PTO/SB/08a listing art for consideration by the Examiner, and a copy of each of the identified documents is included if presently required by Office rules and regulations.

Pursuant to 37 C.F.R. § 1.97 (b) (1), the undersigned states that the present information disclosure statement is being filed within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. § 1.53 (d).

	Pursuant to 37 C.F.R. § 1.97 (b) (2), the undersigned states that the present
	information disclosure statement is being filed within three months of the date of
	entry of a national stage as set forth in 37 C.F.R. § 1.491 in an international
	application.
	Pursuant to 37 C.F.R. § 1.97 (b) (3), the undersigned states that the present
	information disclosure statement is being filed before the mailing of a first Office
	action.
	Pursuant to 37 C.F.R. § 1.97 (b) (4), the undersigned states that the present
	information disclosure statement is being filed before the mailing of a first Office
	action after the filing of a request for continued examination under 37 C.F.R. § 1.114.
	Pursuant to 37 C.F.R. § 1.97 (e) (1), the undersigned states that each item of
	information contained in the information disclosure statement was first cited in a
	communication from a foreign patent office in a counterpart foreign application not
	more than three months prior to the filing of this information disclosure statement.
	Pursuant to 37 C.F.R. § 1.97 (e) (2), the undersigned states that no item of
	information contained in the information disclosure statement was cited in a
	communication from a foreign patent office in a counterpart foreign application, and
	to the knowledge of the undersigned, upon reasonable inquiry, no item of information
	contained in the information disclosure statement was known to any individual
	designated in §1.56(c) more than three months prior to the filing of the information
	disclosure statement.
	Pursuant to 37 C.F.R. § 1.704 (d), the undersigned states that each item of
	information contained in the information disclosure statement was cited in a
	communication from a foreign patent office in a counterpart foreign application and
	that the communication was not received by any individual designated in § 1.56 (c)
	more than thirty days prior to the filing of this information disclosure statement.
	It is believed no fee is required to make this a complete and timely filing. However,
	if a fee is required, please charge our Deposit Account No. 19-0733.
$\boxtimes$	The undersigned hereby authorizes the Office to charge the fee pursuant to 37 C.F.R.
	§ 1.17 (p) to our Deposit Account 19-0733.

Consideration of this information is respectfully requested, with citation thereto on the face of the issued patent as applicable.

Respectfully submitted, **BANNER & WITCOFF, LTD.** 

Dated: March 28, 2005

By:

Ross A. Dannenberg Registration No. 49,024 1001 G. Street, N.W.

Washington, D.C. 20001-4597

(202) 824-3153

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of

(Use as many sheets as necessary) 2

	Complete if Known	)
Application Number	10/087,437	
Filing Date	March 2, 2002	-
First Named Inventor	Kimmo Laiho	
Art Unit	2684	
Examiner Name	Alan T. Gantt	
Attorney Docket Number	004770.00033	

			U.S. PATENT [	OCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Initials *	No.1	Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
		US- 2004/0242163 A1	12-02-2004	Karr et al.	
		US- 2004/0102213 A1	05-27-2004	Karr et al.	
		US- 2004/0102214 A1	05-27-2004	Karr et al.	
		US- 2004/0102215 A1	05-27-2004	Karr et al.	
		US- 2004/0097194 A1	05-20-2004	Karr et al.	

		FOREI	GN PATENT DOC	UMENTS		
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		FALK, Aaron David, "A System design For A Hybrid Network Data Communications Terminal Using Asymmetric TCP/IP To Support Internet Applications," Master of Science Thesis, 1994, 78 pages	
		FT Interactive Data, printed from <a href="http://www.interactivedata.com/images/IDC">http://www.interactivedata.com/images/IDC</a> timeline.swf, on 3/28/05, 4 pages	
		ANKENY, Jason, "Safe At Any Speed", printed from <a href="http://wirelessreview.com/ar/wireless-safe-speed/">http://wirelessreview.com/ar/wireless-safe-speed/</a> , on 3 pages, Wireless, June 1, 2004	
		"Mobility and the Implications of Wireless Technologies," printed from <a href="http://www.wws.princeton.edu/cgi-bin/byteserv.prl/~ota/disk1/1995/9547/954705.PDF">http://www.wws.princeton.edu/cgi-bin/byteserv.prl/~ota/disk1/1995/9547/954705.PDF</a> , chapter 2, pages 47-64, September, 1995	

Examiner	Date	
Signature	Considered	

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/087,437	
Filing Date	March 2, 2002	
First Named Inventor	Kimmo Laiho	
Art Unit	2684	
Examiner Name	Alan T. Gantt	
Attorney Docket Number	004770.00033	

	,	NON PATENT LITERATURE DOCUMENTS	,
Examiner	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
		Welcome to eSignal!, printed from <a href="http://www.esignal.com/default.asp">http://www.esignal.com/default.asp</a> , on March 22, 2005, 2 pages	
		Welcome to the QuoTrek Product Site!, printed from <a href="http://www.quotrek.com/">http://www.quotrek.com/</a> on March 22,2005, 2 pages	
		VAIDYA, Nitin H., et al., "Scheduling data broadcast in asymmetric communication environments," Wireless Networks, Volume 5, Issue 3, May 1999, pages 171-182	
		"New Flexible Network-based RTK Service in Japan," printed from <a href="http://www.geomatics.ucalgary.ca/~lachapel/00GPSIP.pdf">http://www.geomatics.ucalgary.ca/~lachapel/00GPSIP.pdf</a> , 8 pages, Approximate Publication: after 1999	
		"Semiconductor Delivers Complete Solution for Microsoft's New Smart Personal Objects Technology Initiative," printed from <a href="http://www.national.com/news/item/0,1735,829,00.htm">http://www.national.com/news/item/0,1735,829,00.htm</a> on March 28, 2005, 30 pages	
		American Meteorological Society, "Unidata's Internet Data Distribution (IDD) System: Two Years of Data Delivery," printed from <a href="http://www.unidata.ucar.edu/projects/idd/iips97.mitch.html">http://www.unidata.ucar.edu/projects/idd/iips97.mitch.html</a> , 6 pages, 1997	
		Unidata – IDD Principles, "Principles Underlying Internet Data Distribution," printed from <a href="http://www.unidata.ucar.edu/projects/idd/plans/principles.html">http://www.unidata.ucar.edu/projects/idd/plans/principles.html</a> , 2 pages, June 29, 1994	
	_		

Examiner Signature	Date Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

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